

NBC #
10-W23

	DATE	Drill	PE Ad	Soil	oil pressure	WS SF?	Cond.	Cond Ad.
10-2		Prev Rwd						
-3		" "						
-W24		" "						
6		" "						
-7		" "						
-8		" "					No Contact below 120' W.	
10		" "						
11		" "						
12		" "						
17		" "						
18		" "						
W22		" "						
-W24	1/5/64	1996					elgation CFS	y
W27	Prev.	Rwd.						
11-1	6/2/25	3/22/13					CFS	y
11-5	5/29/15	1964					MFS	y
11-W23	12/31/63					Act	CFS	y
16-15A	11/21/24	12/1/65					MFS	y
16-16	Prev Rwd.							
16-W27	"	"						

OS 6273.043

080713

13 APR 1 PM 2:59

6WQ-S

Feb 26, 2013

Mr. Arnold Bierschenk
US Environmental Protection Agency
Region 6 Office
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Re: Requesting Final Authorization to inject CO₂
CO₂ Area I NBU
Location: NE/4 Sec 11-T27N-R05E
Osage County, Oklahoma

Dear Mr. Bierschenk:

Chaparral Energy, L.L.C. plans to start injecting CO₂ into the **NBU #10-W23** in April 2013. CELLC is requesting a final authorization (written authorization) to inject CO₂ into this wellbore in a timely manner.

To comply with conditions Parts I.C.2. through I.C.6 of the CO₂ Area Permit. Chaparral is submitting data (Form 139) on this injection well located within the referenced area and also tabulations for all the wells within a one quarter (1/4) mile AOR of this injector. We have completed the corrective actions in all existing (non-plugged) injection and producing wells within the area to guarantee that water and the future CO₂ remain within the Burbank Sand reservoir.

To comply with conditions Parts I.A.4. & I.B.3. CELLC enclosed the cementing records in addition to the workover reports (Form 139) in which it is typically reported the use a volume of cement sufficient to achieve at least 1000' of coverage above the producing zone and the cement placed behind the outermost casing at least 50' below the USDW to surface.

Chaparral Energy has drilled and completed a network of monitor wells on the CO₂ Area I. CELLC has already submitted to the EPA a wellbore diagram with supporting cement bond log(s) and completion report showing construction details of the MW-2 which is close to this injection well required under Part I.D.3 of the Area Permit and also the Groundwater Sampling Report which include the first sampling results from all monitoring wells in the intersection of all quarter sections in Area I to establish baseline groundwater quality for those monitoring wells.

[Recipient's Name]

[Date]

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Your prompt attention to this request is appreciated. If you have any questions, or need more data contact us at the address listed.

Sincerely,
Chaparral Energy, L.L.C.



Erwin Pino
Regulatory Engineer
Direct Number: (405) 426-4081
Direct Fax: (405) 425-8681
E-Mail: erwin.pino@chaparralenergy.com

Enclosures: Wellbore Diagram, Offset Well Tabulation Data, Form 139 and Cement Tickets.

CHAPARRAL ENERGY

SHIDLER DISTRICT

WELL COMPLETION SKETCHES

N.B.U.10-W23

WELL

E.P.A.# OS 0174

NORTH BURBANK UNIT

FIELD

3/20/2013

DATE

 PRESENT COMPLETION

SUGGESTED COMPLETION

PERMANENT WELL BORE

KB: 1139.84'

GL: 1132.34'

All Measurements From RKB

Legal: 890' FSL, 730' FEL, NE/4

Sec. 11-27N-5E, Osage Co. Ok.

8 5/8" 32# @ 115' Cemented W/
85 Sks Reg Cement

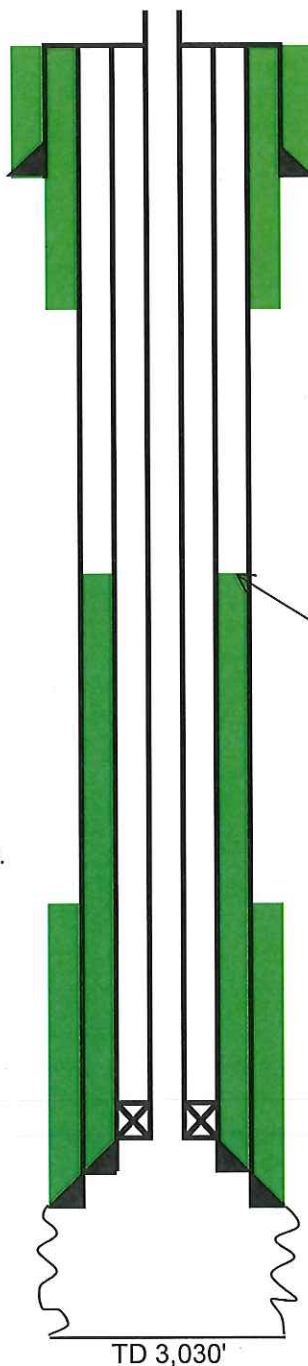
4 1/2" 9.5# @ 2,990' cemented w/
75 Sks reg. 30% Diacel D

3 1/2" F.J. Tubng Cemented W/
150 sks Reg 2% Gel. @ 2,972'
1" Tubing @ 315' Cemented W/
104 sks Reg Cement, between
4 1/2" and 8 5/8"

10/15/2007, run 89 jts 2 1/16" ceramic.
lined tubing, set 3 1/2" Arrow pkr @
2,935'

BURBANK FORMATION
2980'-3,029'

COMPLETED OPEN HOLE



Well Class: Injection

ORIGINAL COMPLETION

D&C 1/12/1964

IP:

8 5/8" @ 115'

INITIAL TREATMENT:

2/25/1964 Acidize with 125
gals 15% HCL

3-1/2" TOC: 1050 calc

TOC: on 4 1/2" No Survey

4 1/2" @ 2,990'